



PTO/SB/08A (10-96)

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Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Complete If Known

Application Number	10/689,560
Filing Date	10/20/2003
First Named Inventor	David C. Austin
Group Art Unit	1723
Examiner Name	
Attorney Docket Number	94012

Sheet	1	of	5
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U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	U.S. Patent Document Number	Kind Code ² (if known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
FP	AA	681,884		Monjeau	Sept. 03, 1901	
	AB	2,306,027		Swancy	Dec. 22, 1942	
	AC	2,486,512		Armstrong	Nov. 01, 1949	
	AD	2,822,329		Griffith	Feb. 04, 1958	
	AE	3,770,623		Seidel	Nov. 06, 1973	
	AF	3,925,206		Dea	Dec. 09, 1975	
	AG	4,039,451		Smith	Aug. 02, 1977	
	AH	4,057,933		Enyeart	Nov. 15, 1977	
	AI	4,169,050		Serfling et al.	Sep. 25, 1979	
	AJ	4,183,809		Klapwijk et al.	Jan. 15, 1980	
	AK	4,267,038		Thompson	May 12, 1981	
	AL	4,331,538		Kickuth	May 25, 1982	
	AM	4,333,837		Plósz et al.	June 08, 1982	
	AN	4,384,956		Mulder	May 24, 1983	
	AO	4,415,450		Wolverton	Nov. 15, 1983	
	AP	4,443,337		Otani et al.	Apr. 17, 1984	
	AQ	4,678,582		Lavigne	July 07, 1987	
	AR	4,735,723		Mulder	Apr. 05, 1988	
	AS	4,746,435		Onishi et al.	May 24, 1988	
	AT	4,793,929		Kickuth et al.	Dec. 27, 1988	
	AU	4,839,051		Higa	June 13, 1989	
	AV	4,872,985		Dinges	Oct. 10, 1989	
	AW	4,895,645		Zorich, Jr.	Jan. 23, 1990	
	AX	4,904,386		Kickuth	Feb. 27, 1990	
	AY	4,959,084		Wolverton et al.	Sep. 25, 1990	
	AZ	5,078,882		Northrop	Jan. 07, 1992	

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Considered

1/6/05

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FP	BA	5,078,884		Mulder	Jan. 07, 1992	
	BB	5,087,353		Todd et al.	Feb. 11, 1992	
	BC	5,126,050		Irvine et al.	June 30, 1992	
	BD	5,137,625		Wolverton	Aug. 11, 1992	
	BE	5,174,897		Wengrzynek	Dec. 29, 1992	
	BF	5,259,959		Mulder	Nov. 09, 1993	
	BG	5,337,516		Hondulas	Aug. 16, 1994	
	BH	5,389,257		Todd et al.	Feb. 14, 1995	
	BI	5,393,426		Raskin et al.	Feb. 28, 1995	
	BJ	5,486,291		Todd et al.	Jan. 23, 1996	
	BK	5,518,618		Mulder et al.	May 21, 1996	
	BL	5,618,413		Todd et al.	Apr. 08, 1997	
	BM	5,733,453		DeBusk	Mar. 31, 1998	
	BN	5,766,474		Smith et al.	June 16, 1998	
	BO	5,863,433		Behrends	Jan. 26, 1999	
	BP	5,863,435		Heijnen et al.	Jan. 26, 1999	
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	BR	5,893,975		Eifert	Apr. 13, 1999	
	BS	5,897,777		Zoeller et al.	Apr. 27, 1999	
	BT	5,906,745		Eto	May 25, 1999	
	BU	5,948,262		Todd et al.	Sep. 07, 1999	
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	BW	6,086,755		Tepper	July 11, 2000	
	BX	6,126,827		Johnson, Jr: et al.	Oct. 03, 2000	
	BY	6,159,371		Dufay	Dec. 12, 2000	
	BZ	6,183,642		Heijnen et al.	Feb. 06, 2001	

Examiner Signature	<i>L. P. i</i>	Date Considered	1/6/05
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FP	CA	6,200,469		Wallace	Mar. 13, 2001	
	CB	6,277,274		Coffman	Aug. 21, 2001	
	CC	6,406,627		Wallace	June 18, 2002	
	CD	6,447,681		Carlberg et al.	Sep. 10, 2002	
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	CF	2002/0148779		Shieh et al.	Oct. 17, 2002	
	CG	6,645,374		Cote et al.	Nov. 11, 2003	
FP	CH	2004/0000517		Austin et al.	Jan. 01, 2004	

FOREIGN PATENT DOCUMENTS								
Examiner Initials*	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Office	Number ²	Kind Code ³ (If known)				
FP	CI	DE	1916044		Compagnie d'Etudes et de Recherches des Services Operationnels	Nov. 06, 1969		
FP	CJ	DE	3941211		Harf, Fred	June 20, 1991		
FP	CK	SU	1346588		Water Protection In	Oct. 23, 1987		
FP	CL	GB	2 182 651		Logstrup, Jorgen	May 20, 1987		
FP	CM	JP	58-70891		Toua Kensetsu Kogyo KK	Apr. 27, 1983		
FP	CN	DE	DD 300 015 A7		Univ. Dresden Tech.	May 21, 1992		

Examiner Signature	<i>John P. ...</i>	Date Considered	11/6/05
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				Examiner Name	
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OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS			
Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or county where published.	T ²
FP	CO	Solar Aqua Systems, Inc., Marketing brochure, 1978.	
FP	CP	REED, Sherwood and BASTIAN, Robert, "Aquaculture Systems for Wastewater Treatment: An Engineering Assessment," U.S. Environmental Protection Agency Office of Water Program Operations Municipal Construction Division, 132 pages, June 1980.	
FP	CQ	JEWELL, W. J. et al., "Wastewater Treatment with Plants in Nutrient Films," U.S. Environmental Protection Agency, EPA-600/S2-83-067, pps. 1-5, October 1983.	
FP	CR	JEWELL, William J., "Anaerobic Sewage Treatment," Environmental Science & Technology, Vol. 21, pps. 14-21, January 1987.	
FP	CS	ZHU, T. et al., "Phosphorus Sorption and Chemical Characteristics of Lightweight Aggregates (LWA) Potential Filter Media in Treatment Wetlands," Wat. Sci. Tech., Vol. 35, No. 5, pps. 103-108, 1997.	
FP	CT	AUSTIN, David, "Final Report on The South Burlington, Vermont Advanced Ecologically Engineered System (AEES) for Wastewater Treatment," U.S. Environmental Protection Agency, pps. i-M2, March 4, 2000.	
FP	CU	SUN et al., "Treatment of Agricultural Wastewater in a Combined Tidal Flow-Downflow Reed Bed System," Water Science Technology, Vol. 40, No. 3, pps. 139-146, 1999.	
FP	CV	RAKOCY, James E., "Integrating Tilapia Culture with Vegetable Hydroponics in Recirculating Systems," Tilapia Aquaculture in the Americas, Vol. 1, pp. 163-184, World Aquaculture Society, Baton Rouge, Louisiana, 1997.	
FP	CW	McBRIDE, Graham B. and TANNER, Chris C., "Modelling Biofilm Nitrogen Transformations in Constructed Wetland Mesocosms with Fluctuating Water Levels," Ecological Engineering 14, pp. 93-106, Elsevier Science B.V., 2000.	

Examiner Signature	<i>Fred Paine</i>	Date Considered	1/6/05
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FP	CX	NGUYEN, Long M., "Organic Matter Composition, Microbial Biomass and Microbial Activity in Gravel-Bed Constructed Wetlands Treating Farm Dairy Wastewaters," Ecological Engineering 16, pp. 199-221, Elsevier Science B.V., 2000.	
FP	CY	TANNER, Chris C. et al., "Effect of Water Level Fluctuation on Nitrogen Removal from Constructed Wetland Mesocosms," Ecological Engineering 12, pp. 67-92, Elsevier Science B.V., 1999.	
FP	CZ	VON FELDE, Katrin and KUNST, Sabine, "N- and Cod-Removal in Vertical-Flow Systems," Water Science Technology, Vol. 35, No. 5, pp. 79-85, Pergamon Press, Oxford, 1997.	
FP	DA	GREEN, Michal et al., "Investigation of Alternative Method for Nitrification in Constructed Wetlands," Water Science Technology, Vol. 35, No. 5, pp. 63-70, Pergamon Press, Oxford, 1997.	
FP	DB	LABER, Johannes et al., "Two Strategies for Advanced Nitrogen Elimination in Vertical Flow Constructed Wetlands," Water Science Technology, Vol. 35, No. 5, pp. 71-77, Pergamon Press, Oxford, 1997.	
FP	DC	WATSON, J.T. and DANZIG, A.J., "Pilot-Scale Nitrification Studies Using Vertical-Flow and Shallow Horizontal-Flow Constructed Wetland Cells," Constructed Wetlands for Water Quality Improvement, pp. 301-313, CRC Press, Inc., 1993.	
FP	DD	SWOBODA-COLBERG, Norbert et al., "Constructed Vertical Flow Aerated Wetlands," U.S. Department of Commerce Final Report, pp. 1-54, December 1994.	

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